

METHOD AND APPARATUS FOR USING EDDY  
CURRENT TRANSDUCERS IN MAGNETIC FIELDS

ABSTRACT OF THE DISCLOSURE

A method for measuring the distance of a gap separating an eddy current transducer and a target is provided. The method includes determining a normalized impedance curve for the transducer, determining a time rate of change of the normalized impedance of the transducer along a line of constant gap, and correcting an apparent gap magnitude using the determined time rate of change.